

[002] This application claims priority from German Application serial ♦♦
No. 102 55 394.7 filed November 28, 2002. ♦♦

[003] FIELD OF THE INVENTION ♦♦

[004] The present invention concerns insulated coils for wires of electrical engines and magnets, especially for a motor vehicle, according to the preamble of patent claim 1. ♦♦

[005] BACKGROUND OF THE INVENTION ♦♦

[010] SUMMARY OF THE INVENTION ♦♦

[016] BRIEF DESCRIPTION OF THE DRAWINGS ♦♦

[017] The invention will now be described in greater detail with the enclosed figures illustrating the example of an asynchronous motor. They show, by way of example, with reference to the accompanying drawings in which: ♦♦

[021] DETAILED DESCRIPTION OF THE INVENTION ♦♦

1-7. (CANCELED)

8. (NEW) An insulated coil for wires of electrical engines and magnets, especially for motor vehicles, wherein the insulated coil consists of insulating materials permitting operating temperatures above 200°C.

9. (NEW) The insulated coil according to claim 8, wherein the insulating materials serve as spacers for the wires or white wires (10) for protection against contact such that no flashover danger exists in case of low voltages.

10. (NEW) The insulated coil according to claim 8, wherein the insulating material is a glass filament (11).

11. (NEW) The insulated coil according to claim 8, wherein the wires (10) have one of an oxide layer or a ceramic-elastic thin film layer.

12. (NEW) The electrical engine or electrical magnet for a motor vehicle, wherein the insulated coil is an insulated coil according to claim 8.

13. (NEW) The insulated coil according to claim 12, wherein the electrical engine or electrical magnet further comprise a housing (8) and a axis (9) consisting of at least one of a thermally insulating ceramic or plastic.

14. (NEW) The electrical engine or electrical magnet according to claim 12, wherein they can be operated at temperatures above 200°C.